Crane

INSTRUCTION MANUAL

PERSONAL COOL MIST ULTRASONIC HUMIDIFIER

MODEL# EE-5949

PLEASE READ AND SAVE ALL INSTRUCTIONS TO ENSURE THE SAFE AND EFFCTIVE USE OF THIS APPLIANCE.

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IMPORTANT SAFETY INSTRUCTIONS

INTRODUCTION

Thank you for purchasing our CRANE Personal Ultrasonic Humidifier. Each unit has been manufactured to ensure safety and reliability. Before using the humidifier for the first time, please read the instructions carefully, and keep them for further reference.

WARNING! READ AND SAVE THESE INSTRUCTIONS. Failure to follow all the instructions listed below may result in electric shock, fire and/or serious personal injury.

1. **This appliance in not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.**
2. **DO NOT operate outdoors; this humidifier is intended for indoor use only.**
3. Always have water in the water tank when operating the unit.
4. Use only clean, cool tap water to fill the tank (filtered or distilled water is recommended to avoid white dust if tap water is too hard). DO NOT use hot water.
5. Be sure that the water tank cap is firmly tightened. Place the mist so it aims away from children, walls, furniture, and electrical appliances.
6. Use only a 110-120VAC outlet. **ALWAYS plug and unplug unit with dry hands.**
7. Never operate the unit with a damaged cord or plug.
8. Always place the unit on a smooth, flat, lint free, level, waterproof surface, and away from direct sunlight. Keep the cord away from heated surfaces and areas where it could be walked on or tripped over. Unplug the unit when not in use and whenever you clean or move the unit.
9. Do not add medication of any type into the nozzle, base or water tank. Do not cover any openings on the unit or insert objects into any openings.
10. The unit should not be left unattended in a closed room as the air could become saturated and leave condensation on walls or furniture. Leave room door partly open.
11. The exterior may be wiped with a damp cloth, except the electrical controls, only when the unit is off and unplugged. Humidifier requires regular cleaning. Refer to cleaning instructions.
12. Do not tilt or tip the unit or attempt to empty or fill it while it is in operation.
13. Do not use a detergent to clean any parts of the unit that contain water. Always use a few drops of bleach or white vinegar with water to clean humidifier. Detergent film dissolved in the water supply can interfere with the unit output.

SAVE THESE INSTRUCTIONS!

GENERAL SAFETY INSTRUCTIONS

WARNING! Read and understand all instructions. Failure to follow all instructions listed below may result in electric shock, fire or serious personal injury. The warnings, cautions, and instruction discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are a factor which cannot be built into this product, but must be supplied by the operator.

THIS HUMIDIFIER IS NOT A TOY!

Do not let your child play with this appliance. Serious injury and electrocution might be possible. This appliance has to be operated by an adult only. Children should be supervised to ensure that they do not play with the humidifier.

SAVE ALL INSTRUCTIONS!

CAUTION: A short power supply cord is provided to reduce the risk of personal injury resulting from becoming entangled in or tripping over a longer cord. Extension cords are available from local hardware stores and may be used if care is exercised in their use. If an extension cord is required, special care and caution is necessary. Also the cord must be: (1) marked with an electrical rating of 125 V and at least 13 A., 1625 W., and (2) the cord must be arranged so that it will not drape over the countertop or tabletop where it can be pulled on by children or tripped over accidentally.

ELECTRIC POWER

If electric circuit is overloaded with other appliances, your appliances may not operate properly. The appliances should be operated on a separate electrical circuit from other operating appliances.

POLARIZED PLUG

This appliance has a polarized plug (one blade is wider than the other). As a safety feature to reduce the risk of electrical shock, this plug is intended to fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician. Do not attempt to defeat this safety feature.

SAFETY WARNING

Although your appliance is easy to operate, for your safety, the below warnings must be followed:

1. Do not place the appliance near a heat source.
2. Never leave the appliance unattended while connected to the electrical outlet.
3. To avoid any accidents, never put a hand over a vapor output slot and never cover it when the appliance is in operation.
4. Use the appliance on a stable surface away from water.
5. Do not unplug from the wall socket by pulling on the supply cord.
6. The appliance must be unplugged:
    A. Before either filling or emptying
    B. Before any cleaning or maintenance
    C. After use
    D. If it appears to be faulty

THIS PRODUCT IS INTENDED FOR HOUSEHOLD USE ONLY.

LIST OF MAIN PARTS

1.Nozzlel
2.Water Tank
3. Base
4. LCD Display
5. Cancel / ON/ OFF
6. Function / Light
7. Set / HI /LO

TECHNICAL SPECIFICATIONS

Power Voltage for Power adapter	Input 120V AC 60Hz Output 18V DC
Water Tank Capacity	Approx. 24 ounces
Run Time Per Tank	Min. 10 Hours
Humidifying Capacity	About 70cc/hour

CONTENTS OF PACKAGING

a. Instruction Manual
b. Central Humidifier Body
c. Water Tank (with attached water tank cap)
d. AC Power Adapter

If any of the above items are missing, please contact our service department at 1-888-599-0992 (http://www.crane-usa.com) for replacement. Business hours Mon-Fri 9:00am - 4:00pm CT

OPERATION AND USE

BEFORE EACH USE

CHECK HUMIDIFIER PLACEMENT - Place the Humidifier on elevated, waterproof, level surface for best performance. This is to help disperse the mist in the air, and prevent it from being knocked over or cause moisture damage to surface.

DO NOT place Humidifier on top of a towel, or a carpeted surface. The air vent on the bottom may become blocked, and overheat the humidifier.

CHECK FAN VENT - This fan vent is located on the bottom of the humidifier. The purpose of the Fan Vent is to blow the cool mist through the vapor outlet slot. It is important that this part is kept free of obstructions. We recommend checking the fan vent before using this item (i.e. lint, paper)

DO NOT operate the humidifier without water in the water tank.
DO NOT plug in the cord with wet hands; electric shock could happen

ASSEMBLY AND QUICK START INSTRUCTIONS

Fig. 6

1. Locate battery compartment underneath humidifier. Remove the plastic protective strip from batteries.
2. Lift the water tank off the central body. Turn over the water tank and unscrew the water tank cap at the bottom of the tank by turning it counterclockwise. (***See Fig. 6***)

Fig. 9

3. Fill water tank with cold water; do not fill all the way to the rim. **Note:** To avoid possible white dust due to hard water it is recommended to use distilled water.

DO NOT use hot water. Use cool tap water.
DO NOT add any medication to other additives to the water

4. Replace water tank cap securely on water tank. Place full water tank on the central body, making sure it fits perfectly. ***(see Fig. 9)***

5. Connect the adapter cord into the 18V DC opening on the back of the humidifier base. Connect the power adapter to a 120V outlet.
6. Press CANCEL (on/off) button on the front of the central body to turn ON. The LCD display will illuminate and the mist will begin to emit. The nozzle can be directed 360º by turning spout.
7. Press CANCEL again to turn OFF.

NOTE: See below to SET CLOCK and other Humidifier functions.

LCD DISPLAY SUPPORT BATTERIES

The support batteries will save the clock and time. Once the unit is disconnected from the main power source the LCD display will go off but the batteries will allow the clock to keep operating

Please Note:

- The humidifier can be operated without support batteries.
- The humidifier **cannot be operated only on the support batteries**.
- The humidifier comes with support batteries in the humidifier battery compartment. The support battery is protected by a plastic strip. The plastic strip must be removed to activate the batteries.
- The battery compartment for the support batteries is located at the bottom base of the humidifiers.

TO REPLACE SUPPORT BATTERIES

1. Press the battery compartment tab and lift the compartment lid. Remove the three LR44/3V batteries
2. Insert three LR44/3V batteries into the battery compartment. Please observe the correct +/- battery polarity. The + polarity must point upwards.
3. Properly replace the battery compartment lid.

HOW TO SET CLOCK

As soon as the humidifier is connected to the power source the LCD display on the clock will illuminate blue.

1. Press the button HI/LO SET and hold until the first two numbers will blink.
2. Press the FUNCTION button to adjust the correct hour. NOTE: If you keep the FUNCTION button pressed the hour will SET.
3. Press the HI/LO SET button again and the last two numbers will blink.
4. Press the FUNCTION button to adjust the correct minutes.
5. Press the HI/LO SET several times until the correct clock time appears on display. **NOTE:** You will need to press through other functions until the clock time you set appears.

HOW TO OPERATE THE HUMIDIFIER FEATURES

AUTO OFF SAFETY FEATURE

As soon as the water in the water tank runs low the humidifier will automatically switch OFF. The set LCD Clock will remain on.

Setting HI/LO Output

1. As soon as the humidifier is switched ON it will operate on the HI output. HI will appear on the upper right corner of the display.
2. Press the HI/LO SET to reduce output. LO will appear on the lower right corner of the display.
3. The output will be reduced and less mist will be emitted into the air.
4. To increase the output press the HI/LO button again.

Operate LED Nightlight

Press the FUNCTION to switch the LCD nightlight ON/OFF.
NOTE: The LCD nightlight will also work when the mist is switched OFF.

HOW TO OPERATE CYCLE FUNCTION

The cycle function allows you to set the humidifier to cycle ON and OFF. For example: The humidifier is set to switch ON for one hour. After one hour the humidifier will switch OFF for three hours and then will switch ON again for one hour. The cycle will go on and off until the water in the water tank runs low and the humidifier safety feature turns off humidifier automatically. The humidifier will cycle a maximum of 12 hours.

How to set Cycle Function

1. Press and hold the HI/LO SET button until the first two numbers blink.
2. In case the clock was not set (see Setting Clock) please set clock now before continuing with cycle function.
3. If clock was set press HI/LO button again until the double arrow and the clock sign appear in the LCD display. At this point the first two numbers will blink.
4. Press the FUNCTION button to set the cycle ON hour.
5. Press the HI/LO SET button and the minutes will blink.
6. Press the FUNCTION button to set the cycle ON minutes.
7. Press the HI/LO SET button to get into the cycle OFF setting mode. Set the time the same as the cycle ON. NOTE: You are setting the number of hours that you want the humidifier to cycle on and off.
8. Press the FUNCTION button to set the cycle OFF hour.
9. Press the HI/LO SET button and the minutes will blink.
10. Press the FUNCTION button to set the cycle OFF minutes.
11. Press the HI/LO SET button to get back to the normal LCD clock display.

How to Activate the Cycle ON/OFF

1. Press and hold for two seconds the FUNCTION button until the double arrow appears.
2. After two seconds the cycle function will start.

The humidifier will switch ON and OFF at the pre-set time. To switch the humidifier OFF during the cycle ON/OFF period press and hold the CANCEL button until the humidifier switches OFF.

NOTE: If the double arrows (cycle symbol) blink several times the times will not set correctly. Please repeat the Cycle ON/OFF procedure.

How to Shut Cycle OFF
Press and hold CANCEL button.

HOW TO OPERATE THE AUTO ON/OFF FUNCTION

The humidifier can be switched ON/OFF by a timer function. To set the timer function the humidifier must be in the OFF mode.

How to Set Auto ON/OFF

1. Press and hold HI/LO SET button until the first two number blink in the display.
2. In case the clock was not set (*see How to Set Clock*) please set clock now before continuing with timer.
3. If clock was set, press HI/LO button several times (pressing through other functions) until the Auto and the Clock sign appear in the LCD display. At this point the first two numbers will blink.
4. Press the FUNCTION button to set the auto ON hour.
5. Press the HI/LO SET button and the minutes will blink. Press the FUNCTION button to set the auto ON minutes.
6. Press the HI/LO SET button to get into the auto OFF setting mode. Set the time the same as the auto ON.
7. PRESS the HI/LO SET button and the minutes will appear.

How to Activate the Auto ON/OFF

1. Press and hold for two seconds the FUNCTION button until the double arrow appears.
2. Press again the FUNCTION button and the display will show Auto to indicate that the Auto Function is activated.

The humidifier will switch on and off at the pre-set time. To switch the humidifier off during the auto on/off period press and hold the CANCEL button until the humidifier switches off.

NOTE: If the auto only blinks several times the times will not set correctly. Please repeat the Auto ON/OFF procedure.

A NOTE ABOUT HUMIDITY

- It is best to keep the humidity level at about 30-50 percent of relative humidity.
- The comfort level of humidity will vary from room to room and with changing room conditions.
- In cold weather, windows and even some walls may fog or develop frost from excessive indoor humidity. If this occurs, reduce the mist intensity setting to avoid damage from condensed water dripping on windowsills.
- Too much humidity in the room may allow moisture to accumulate on surfaces where bacteria and fungi can grow. Moisture that gathers may also damage furniture and walls, especially wallpaper.
- To eliminate excessive humidity, especially in small rooms, leave the room door open and adjust the mist intensity control setting.

MAINTENANCE

CAUTION: Always be sure that the appliance is unplugged and switched OFF before cleaning or attempting to store the item. NEVER PLUG OR UNPLUG UNIT WITH WET HANDS.

DO NOT leave water in water tank or water basin when unit is not in use as it may result in the build up of mineral deposits and bacteria that can inhibit the output efficiency of the humidifier.

PLEASE NOTE that if water remains in the water tank for more than a day or two, bacterial growth is possible.

ALWAYS use fresh cool water when using unit.

NOTE: When removing water tank, water may accumulate under vapor lid and on the bottom of the water tank. It is recommended to have a dry cloth ready to dry wet surfaces.

DISINFECTING THE WATER TANK AND WATER BASIN

1. Fill water tank with fresh cool water and place 1 teaspoon of household bleach or white vinegar into full water tank. Let stand twenty minutes, shaking vigorously with two hands every few minutes, drain and rinse with clean water until the bleach or vinegar smell is gone. Dry with a clean cloth or paper towel.
2. Wipe the water basin with a soft cloth dampened in the bleach or white vinegar and water solution. Rinse the water basin with cool water to remove any smell. DO NOT IMMERSE WATER BASIN IN WATER.
3. Wipe all exteriors surfaces of the base with a soft, dry cloth. Do not immerse the base in water or use water to clean the base. An electric shock may result or the humidifier may be damaged.

GENERAL MAINTENANCE AND CLEANING

Before any cleaning operation, switch the humidifier off, unplug adapter from humidifier and power outlet.

1. Always unplug from power supply and from the central body before cleaning.
2. The humidifier must be drained and cleaned before storing.
3. Once unplugged the exterior of the unit may be cleaned by wiping with a dry cloth.
4. There may be some lime deposits in the water basin, particular in areas with hard water. Overcome this drawback by cleaning the water basin as follows:
    A. Dampen a wet cloth with a few drops of white vinegar or bleach water solution and wipe the water basin gently, until the lime deposits disappear completely.
    B. Rub down gently with a dry cloth and remove remains of humidity.
    C. Do not clean with chemical products.
5. Never immerse the unit in water or let water enter the fan vent or any other openings.

6. Clean the inside of the water tank at least once a week, as follows:
    A. Fill the tank with clean water adding a few drops of bleach or white vinegar (approx. 1 teaspoon) with water solution. Close the tank completely with its cap and shake by holding the tank with both hands. Rinse thoroughly.

Note: Water accumulated over long periods may create bacteria and mildew (fungus). It is important to remove the water in the humidifier if the humidifier is not being used. Always use fresh clean water when filling the water basin.

STORING YOUR HUMIDIFIER

Allow the appliance to dry completely before storing. Store the appliance in a dry location. Do not place any heavy items on top of appliance during storage as this may result in possible damage of the appliance. Store the cord in a clean, dry location away from metal objects. Always check the plug before use to assure metal items have not become attached.

- Save the box for off-season storage.
- Make sure the tank, water basin and water tank cap are thoroughly dry before storing.
- If water is left in the unit during storage, it may evaporate completely and leave deposits that can prevent the unit from operating properly.

TROUBLE SHOOTING

CAUTION: DO NOT attempt to repair the motor yourself. If the humidifier continues to not operate please call our service center (see toll free number below).

Problem	Solution
If humidifier does not work at all:	▪ Ensure it is properly plugged into a power outlet and central body. ▪ Check that the switch is in the ON position. ▪ If LCD clock does not come on, bring to authorized service station.
If there is a strange odor:	▪ Clean the tank with water and few drops of white vinegar or bleach with water solution and rinse with clean water. ▪ Leave the tank open for some time without the cap, in a cool place.
The LED clock light is on but there is no mist being emitted:	▪ Check that there is water in the tank. ▪ Make sure that nothing blocks the vapor output slot. ▪ Check that the air vent on bottom of humidifier is not blocked. ▪ Empty the humidifier and rinse the water basin with cool tap water and allow to dry for 15 to 30 min.
White dust appears and settles outside the humidifier:	▪ Area tap water may have too many minerals, change to filtered or distilled water.

SERVICE CENTER

If you have any question in regards to the operation of this appliance or are in need of a spare part please contact our service center at:

Crane USA Inc.
Tel: 1-888-599-0992 (Business Hours Mon-Fri 9:00am-4:00 pm Ct)
Website: http://www.crane-usa.com
1800 Nicholas Blvd
Elk Gove Village, Illinois 60007

ENVIRONMENTAL PROTECTION

If the appliance should no longer work at all, please make sure that it is disposed in an environmentally friendly way, by handing it into a public collection point. Please do not put it with your household waste.

LIMITED WARRANTY

Thank you for purchasing a top quality **Crane** product. This Personal Ultrasonic Humidifier was tested and meets our stringent quality standards. This product is warranted to be free from manufacturing defects under normal use and conditions for 1 year.

In case you find this product to have a manufacturing defect please proceed as follows:

A. Within 90 days of purchase: return the product to your retailer for a replacement or a refund.
B. After 90 days and within the warranty period: send the product and all of its accessories to our service center. The consumer will be responsible for all shipping costs to the Crane Service Center. Crane will not assume responsibility for loss or damages to the product being returned to us. To avoid transport damages carefully package the product and insure it with the carrier. Be sure to fill out the warranty card and include it with a copy of the dated sales receipt. In return you will receive your repaired item, or a new product at the service center's discretion.

WARRANTY IS ONLY VALID WITH A DATED PROOF OF PURCHASE.

The warranty is void if the defect is due to accidental damage, misuse, abuse, neglect, improper repair or alteration by unauthorized persons or failure to follow operation instructions provided with the product. This warranty does not apply to normal wear and tear, as well as commercial use.

The warranty is non-transferable and applies only to the original purchase and does not extend to subsequent owners of the product. Liability under this warranty is limited to repair, or replacement. In no event shall liability exceed the purchase price paid by the purchaser of the product. Under no circumstances shall there be liability for any loss, direct, indirect, incidental, special or consequential damage arising out of in connection with use of this product.

This warranty is only valid in the 48 contiguous states plus the District of Columbia. Excluding Alaska, Hawaii, Puerto Rico, and the Virgin Islands. This warranty is effective only if the product is purchase and operated in the United States of America.

This Warranty gives you specific legal rights. However you may have other rights that vary from state to state. Some states do not allow limitation on implied warranties or exclusion of consequential damages therefore these restrictions may not apply to you.

Any instruction or warranty included in this manual may be subject to change without notice. For the most up to date set of instructions and warranty please contact us or visit our web site.

Crane USA Inc.
Tel: 1-888-599-0992 (Business Hours Mon-Fri 9:00am-4:00 pm CT)
Website: http://www.crane-usa.com
1800 Nicholas Blvd
Elk Grove Village, Illinois 60007

PLEASE DETACH THIS SECTION AND RETURN IT WITH YOUR PRODUCT

WARRANTY CARD

Crane

Personal Ultrasonic Humidifier

In case you find this product to be defective please proceed as follows:

A. Within 90 days of purchase: return the product to your retailer for a replacement or a refund.

B. After 90 days and within the warranty period: send the product and all of its accessories to our service center. The consumer will be responsible for all shipping costs to the Crane Service Center. Crane will not assume responsibility for loss or damages to the product being returned to us. To avoid transport damages carefully package the product and insure it with the carrier. Be sure to fill out the warranty card and include it with a copy of the dated sales receipt. In return you will receive your repaired item, or a new product at the service center's discretion.

This Ultrasonic Humidifier was tested and meets our stringent quality standards. This product is warranted to be free from manufacturing defects in original materials, including original parts, and workmanship for 1 year with proof of purchase.

Please print clearly and fill in your details below. Send it together with the product and purchase receipt. Please read the Limited Warranty conditions mentioned in this instruction manual.

Customer Name	
Street	
City	
State	
ZIP Code	
Phone #	
Model #/Style	
Purchase Date	
Description of Defect :	

Service Center Address:
Crane USA Inc.
1800 Nicholas Blvd Elk Grove Village, Illinois 60007
Tel: 1-888-599-0992 (Business Hours Mon-Fri 9:00am-4:00 pm CT)
Website**:** **http://www.crane-usa.com**

WARRANTY CARD